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	Application No.	Applicant(s)	
Notice of Allewshilling	10/787,218	KONDO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Monica D. Harrison	2829	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to			
2. The allowed claim(s) is/are <u>1-12</u> .			
3. The drawings filed on 27 February 2004 are accepted by the Examiner.			
4.			
each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 620 4 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amendr 8. Examiner's Stateme 9. Other	(PTO-413), te ment/Comment	

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DETAILED ACTION

1. Claims 1-12 are allowed over the prior art of record.

Reasons For Allowance

2. The following is an examiner's statement of reasons for allowance: The primary reason for allowance of the claims is that the prior art neither teaches nor fairly suggest a method of filling a metal in fine trenches as presented in independent claim 1. Major emphasis is being placed upon the provision of "polishing the surface and removing a portion of the plated metal film by pressing the surface of the substrate to a polishing surface, wherein the pressures pressing the substrate to the polishing surface at a central portion and a peripheral portion of the substrate are adjusted independently", in combination with other limitations of the said claim and its dependent ones.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- 3. Woo et al (6,555,461) discloses a method for forming a metal interconnect structure.
- 4. Cooney et al (6,534,394) discloses creating robusts contacts and interconnects on a wafer through a non-ionized deposition process.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monica D. Harrison whose telephone number is 571-272-1959. The examiner can normally be reached on M-F 7:00am-3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Monica D. Harrison AU 2829

mdh

July 21, 2004

KAMANU CUNEU

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